



FIGURE 1A

WPRAIQELTSLNHIEEAVALSTCNRMEIYVVALSWNRGIREVVDWMSKSGIPASELREH
WPRAIAEIQLCSLNHIEEAVALSTCNRMEIYVIALSQHRGVKEVMEWMSKTSVPSSELQH
WPRAIAEIQLCSLNHIEEAVALSTCNRMEIYVVALSKHRGVKEVTEWMSKTSGIPVADLCQH

***** * * * * * AGKVRVSETNISGAVSVSSAAVELALMKLPEASHDNARMLVIGAKMGLVIKHLVAKG
VGKRVRTETNIAAGAVSVSSAAVELALMKLPEASHANARMLVIGAKMGLVIKHLVAKG
VGKRVRTETNIAAGAVSVSSAAVELALMKLPEASHANARMLVIGAKMGLVIKHLVAKG

SEQ ID NO: 04
SEQ ID NO: 12
SEQ ID NO: 29

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SEQ ID NO: 12
SEQ ID NO: 29



FIGURE 1B

SEQ ID NO: 04
 SEQ ID NO: 12
 SEQ ID NO: 29

* * * * * CKKVVVVNRSVERVDAIREEMKDIEIVYRPLSDMYQAAAEDVVFTSTASETSLFAKEHAA
 CKKMWVVVNRTEERVAAIREELKDIEIIYKPLSEMLTCAGEADLUVFTSTASENPLFLKEHV
 CTKMWVVVNRSEERVAAIREEIKDVEIIYKPLSEMLTCIGEADVVFTSTASENPLFLKDDV
 301 360

SEQ ID NO: 04
 SEQ ID NO: 12
 SEQ ID NO: 29

* * * * * EALPPVSDTMGGVRLFVDISVPRNVSACVSEGVGAARVYNVDDLKEVVEANKEDRLRKAME
 KDLPPASQEVGGRFFIDISVPRNVGSCVSDLESVRVYNVDDLKEVVAANKEDRLRKAME
 KELPPATDEVGGRRLFVDISVPRNVGSCCLSLESVRVYNVDDLKEVVAANKEDRLRKAME
 361 420

* * * * * AQIIITEELRRFEAWRDSLETVPTIKLRSYADRIRASELEKCLQKVGEDALTCKMRRAI
 AQAIIAEESKQFEAWRDSLETVPTIKLRAYAERIRLAELEKCLGKMGDD-IPKKTRRAV
 AQAIIGEEESKQFEAWRDSLETVPTIKLRAYAERIRLAELEKCLGKMGDD-INKKTQRAV
 421 480

SEQ ID NO: 04
 SEQ ID NO: 12
 SEQ ID NO: 29

* * * * * EELSTGIVNKLHGPLQHLRCGSDSRTLDETLENMHALNRMFSLDMEKAIIEQKIKAKV
 DDLSRGIVNKLHGPMDQHLRCGNDSSRTLSETTENMNALNRMFNLETEISVLEEKIRAKV
 DDLSRGIVNKLHGPMDQHLRCGSDSRTLSETTENMHALNRMFNLETEISVLEQKIRAKV
 481 540

SEQ ID NO: 04
 SEQ ID NO: 12
 SEQ ID NO: 29

* EKTQN
 EQ---
 EQ-KP

541



FIGURE 2A

SEQ	ID	NO : 26
SEQ	ID	NO : 30

***** FNAAKELMPGGVNSPVRAFKSVGQPIVFDSVKGSRMWDVDGNEYIDYVGSGPAAIGHA
 ***** FNAAKELMPGGVNSPVRAFKSVGQPIVFDSVKGSHMWDVDGNEYIDYVGSGPAAIGHA

SEQ	ID	NO: 26
DDTVNAALIETLKKGTSGAPCVLENVLAEMV	DDKVNAA	LIETLKKGTSGAPCALENVLAQM
SEQ	ID	NO: 30
DDTVNAALIETLKKGTSGAPCVLENVLAEMV	DDKVNAA	LIETLKKGTSGAPCALENVLAQM

121

180

SEQ	ID	NO:26	AFTGREKILKFECCYHGHADSFLVKGSGVATLGLPDSPGVKGATSETLTAPYNDVEAV
SEQ	ID	NO:30	AFTGREKILKFECCYHGHADSFLVKGSGVATLGLPDSPGVKGATVGTLLTAPYNDADAV

181

240

SEQ	ID NO: 26	KKLFEENKGQIAAVFILEPVVGNAGFIPPQPGFLNAILDLTKQDGALLVFDEVMTGFRLAY
SEQ	ID NO: 30	KKLFEDNKGEIAAVFILEPVVGNAGFIPPQPAFLNAILREVTKQDGALLVFDEVMTGFRLAY
	241	300

SEQ	ID NO:26	GGAQEYFGITPDVSTL GKIIGXGLPVGAYGGRKDIMEMVAPAGPMYQAGTLSGNPLAMTA
SEQ	ID NO:30	GGAQEYFGITPDVTLGKIIGGGLPVGAYGGRKDIMEMVAPAGPMYQAGTLSGNPLAMTA
	301	360

**FIGURE 2B**

GIHTLKRLMEPGTYDYLDDKITGDLVRGVLDAGAKTGHEMCGGHIIRGMFGFFFAGGPVHNF
GIHTLKRLMEPGTYEYLDKVTGELVRGILDVGAKTGHEMCGGHIIRGMFGFFFAGGPVHNF
361 420

GDAKKSDTAKFGRFYRGMLEEGVYLAPSQFEAGFTSILAHSTSQDIEKTVEAAKVLRR
DDAKKSDTAKFGRFHRGMLGEGVYLAPSQFEAGFTSILAHSTSQDIEKTVEAAEKLW
421 478

SEQ ID NO: 26
SEQ ID NO: 30
SEQ ID NO: 26
SEQ ID NO: 30